



Receipt  
#17

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Hideji Tajima

Serial No.: 09/646,653

Filed: September 18, 2000

For: APPARATUS FOR INTEGRATED PROCESS OF MAGNETIC PARTICLES AND  
METHOD OF CONTROLLING SAME

§  
§  
§  
§  
§  
§  
§

Group Art Unit: 1744

Examiner: N/A

Commissioner for Patents

Attn: Office of Initial Patent Examination's Customer Service Center  
Washington, D.C. 20231

RECEIVED  
SEP 24 2001  
TC 1700

SECOND REQUEST FOR CORRECTED FILING RECEIPT

Dear Sir:

Attached is a copy of the official filing receipt received from the U.S. Patent and Trademark Office in the above-identified patent application in which issuance of a corrected filing receipt is respectfully requested.

There is an error in the title of the invention in that the title "APPARATUS FOR INTEGRATED PROCESS OF MAGNETIC PARTICLES AND METHOD OF CONTROLLING THE SAME" should read "APPARATUS FOR INTEGRATED PROCESS OF MAGNETIC PARTICLES AND METHOD OF CONTROLLING SAME." Correction of this error is respectfully requested.

Attached is a copy of the title page of the application as originally filed.

The error is not due to any error by applicant and, therefore, no fee is due.

Respectfully submitted,

Warren B. Kice  
Registration No. 22,732

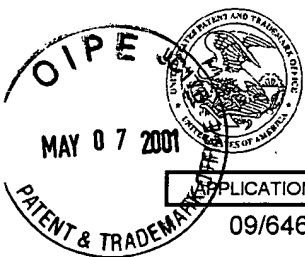
Dated: 5/3/01  
HAYNES AND BOONE, L.L.P.  
3100 Bank of America Plaza  
901 Main Street  
Dallas, Texas 75202-3789  
Telephone: 214/651-5634  
Telecopy: 214/651-5940  
File: 10287.37  
d-894462.1

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner For Patents, Office of Initial Patent Examination's Customer Service Center, Washington, D.C. 20231

on

May 3, 2001  
Sandra Kubin

SANDRA KUBIN



## UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/646,653	09/18/2000	1744	750	10287.37	22	48	5

CONFIRMATION NO. 1830

## CORRECTED FILING RECEIPT



\*OC000000005985630\*

Warren B Kice  
Haynes & Boone  
Suite 3100  
901 Main Street  
Dallas, TX 75202

RECEIVED

APR 23 2001

HAYNES &amp; BOONE LLP.

Date Mailed: 04/19/2001

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Hideji Tajima, Tokyo, JAPAN;

## Domestic Priority data as claimed by applicant

THIS APPLICATION IS A 371 OF PCT/JP99/01365 03/18/1999

## Foreign Applications

JAPAN 10-070980 03/19/1998

If Required, Foreign Filing License Granted 10/18/2000

Projected Publication Date: N/A

Non-Publication Request: No

Early Publication Request: No

\*\* SMALL ENTITY \*\*

Title

CODE	DATE	ACTION
AOA	9.18.02	AWAITING OFFICE ACTION
—	—	—

BY: TJB 4/27/01Apparatus for integrated process of magnetic particles and method of controlling ~~the~~ same



# APPARATUS FOR INTEGRATED PROCESS OF MAGNETIC PARTICLES AND METHOD OF CONTROLLING SAME

RECEIVED  
SEP 24 2001  
TC 1700

## FIELD OF THE INVENTION

5       The present invention relates to an apparatus for an integrated process of magnetic particles and a method of controlling the same. Particularly, the present invention relates to an apparatus for an integrated process of magnetic particles and a method of controlling the same, which can execute processes such as reaction, separation, fixing quantity, dispensation, clarification, concentration, agitation,  
10       suspension, dilution, and operations such as observation, extraction, recovery, isolation, and indications in regard to for example, immune substances such as antibodies or antigens, genetic substances (DNA, RNA, m-RNA and so on), bacillus, and other useful substances such as medicines, or target substances, for medical treatment, inspection, diagnosis, medical care, research, quantitative analysis,  
15       qualitative analysis and so on in all manner of fields such as medical science, agricultural science, engineering, scientific fields, pharmaceuticals, by using a fluid incorporating magnetic particles and capable of being processed in large numbers in a vessel such as a microplate.

## 20   BACKGROUND OF THE INVENTION

      Currently, there is a pipette device shown in Fig. 13. As shown in this view, the pipette device has a magnet driving device for controlling to drive a magnetic source M and a holding body V. The magnetic source M having a magnet section and the holding body V having a holding section, are rotatably mounted in an up-down  
25       mechanism of the pipette device in such a manner that they can approach and go away from one another.

      When the up-down mechanism O moves vertically, as shown in Fig. 13, the magnetic source M and the holding body V move in obedience to movement of rollers  $R_A$   $R_B$  of the up-down mechanism O so that they close in a way that they hold a tip